

History of Science 278 In Search of Mind

Spring 2003
Tuesdays, 2-4
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This graduate seminar is dedicated to the pleasures and discipline of sustained reading. Called *In Search of Mind*, the seminar is organized around a metaphor of "expeditions" to be undertaken through four "territories" of the mind: *imagination, language, emotions, and memory*.

These territories were selected because, in an unfolding story that spans more than a century, each has been named a place where particularly urgent, elusive or problematic dimensions of our humanness appeared to come into focus. Each therefore has attracted the exploratory and colonizing energies of disciplines whose histories are normally studied in isolation from one another: brain science, medicine, psychology, psychiatry, anthropology, philosophy, philology, literature, and evolutionary theory.

In sampling the "travel logs" left behind by these different fields, we will be interested in creating a framework large enough to contain and clarify different understandings and tensions, as well as apparent resonances. We will be interested in the continuing legacies each of these original expeditions may have left in our own time. Most broadly, we will be interested in whether reading together in this way might inspire us all to "see" alternatives to standard disciplinary approaches to the history of the mind sciences; might suggest ways of putting parts together a little differently and in the service of alternative causal narratives.

**February 4
Gearing up**

**First expedition:
*Imagination***

February 11 *through* February 18

- Engell, James (1981). *The Creative Imagination: Enlightenment to Romanticism*. Cambridge, MA: Harvard University Press, 1981, pp. 3-62, 118-139, 217-243, 328-366.
- Coleridge, S. T. (1817). *Biographia Literaria*. Edition of G. Watson, London: Dent, 1975, chapters 12 and 13
- Kant, I. (1988). *Kant Selections*. Ed. Beck, Lewis White. NY: Macmillan, pp. 104-125, 368-387 (excerpts from *Critique of Pure Reason, Critique of Pure Judgment*)
- MacKay, Charles, "The Magnetizers (4)" *Extraordinary Popular Delusions And The*

Madness Of Crowds (1841). On-line at <http://www.litrix.com/madraven/madne001.htm>
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- Jan Goldstein (1998) "Enthusiasm or Imagination? Eighteenth-Century Smear Words in Comparative National Context," in *Huntington Library Quarterly*, Special issue: *Enthusiasm and Enlightenment in Europe 1650-1850*, edited by Lawrence E. Klein & Anthony J. La Vopa. 60 (1/2): 29-49.
- Watson, John B, "Psychology as the Behaviorist Views it," *Psychological Review*, 20 (1913), 158-177 On-line at <http://psychclassics.yorku.ca/Watson/views.htm>
- Mark Johnson, *The Body in the Mind: The Bodily Basis of Meaning, Imagination, and Reason* Chicago, 1990), pp. ix-xviii, 139-212.
- Kosslyn SM (1994) *Image and Brain: The Resolution of the Imagery Debate*. Cambridge, MA: MIT Press, p. 1-23.
- Thomas, Nigel; "Mental Imagery", *The Stanford Encyclopedia of Philosophy* (Winter 2001 Edition), Edward N. Zalta (ed.), On-line at
- <http://plato.stanford.edu/archives/win2001/entries/mental-imagery/>

Second Expedition:
Language
February 25 through March 4

- Broca, P. (1861) Remarks on the seat of the faculty of articulate language followed by an observation of aphemia (trans. G. von Bonin), in *Some Papers on the Cerebral Cortex* (Springfield: Thomas, 1960).
- Wernicke, C. (1874) *The Aphasic Symptom Complex*. Reprinted in *Wernicke's Works on Aphasia: A Source Book and Review*, tr. G.E. Eggert (The Hague, Netherlands: Mouton, 1977), pp. 91-144.
- Darwin, Charles (1874), Chapter 3, "Comparison of the mental powers of man and the lower animals," *The descent of man* (New York: Caldwell)]
- Jacyna, Stephen, "The Discourse of Aphasia," in *Lost Words*. Princeton University Press, 2000, pp. 81-122.
- Freud, Sigmund (1891) *On aphasia; a critical study*, tr. E. Stengel New York: International Universities Press, 1953), excerpts
- Harrington, Anne (1987). *Medicine, Mind, and the Double Brain*. Princeton: Princeton University Press, p. 235-247.
- Harris, Randy Allen, *The linguistics wars*. New York: Oxford University Press, 1993, p.10-100.
- Chomsky Noam "Linguistic Contributions to the Study of Mind (Future)," *Language and Mind*. Harcourt Brace Jovanovich, Inc., 1968.
<http://www.marxists.org/reference/subject/philosophy/works/us/chomsky.htm>
- Pinker, Steven (1994) *The language instinct* (New York, NY: W. Morrow and Co.), p. 15-82.
- Turner, M. (1996). *The Literary Mind: The Origins of Thought and Language*. New York: Oxford University Press, pp. 12-26, 57-84, 140-168.

Third Expedition:

Emotion

March 18 through April 8 (inclusive of spring break)

- Darwin, Charles (1872) *The expression of emotions in man and animals*, introduced by S. J. Rachman. (London: Julian Friedmann; New York: St. Martin's Press, 1979), excerpts.
- Freud, Sigmund (1930) *Civilization and its discontents*, tr. James Strachey ; with a biographical introduction by Peter Gay (New York : W.W. Norton, 1989), excerpts
- The complete Einstein-Freud (1931-32) correspondence on the theme "Why War?" <http://www.cis.vt.edu/modernworld/d/einstein.html>.
- Mead, Margaret, "Warfare Is Only an Invention--Not a Biological Necessity." *Asia* (1940) 40: 402-405.:
- Cannon, Walter. B. (1936) "The Role of Emotion in Disease," *Annals of Internal Medicine*. Vol. 11, pp. 1453-1465.
- "Emotions and Disease," [an on-line historical exhibition sponsored by the National Library of Medicine] <http://www.nlm.nih.gov/hmd/emotions/emotionshome.html>
- Papez, J. W. (1937) A proposed mechanism of emotion, *Archives of Neurology and Psychiatry*. 33: 725-743.
- MacLean, P. (1949) Psychosomatic disease and the 'visceral brain': Recent developments bearing on the Papez theory of emotion. *Psychosomatic Medicine* 11: 338-353.
- Harlow, Harry F, "The Nature of Love," (1958) *American Psychologist*, 13 (1958), 573-685. <http://psychclassics.yorku.ca/Harlow/love.htm>
- Haraway, Donna, "Metaphors into Hardware: Harry Harlow and the 'Technology of Love,'" *Primate Visions*. Routledge, 1990, pp. 231-243
- MacLean, P. (1969) Man's reptilian and limbic inheritance, *A triune concept of the brain and behavior: The Hincks Memorial Lectures, 1969*, eds. T. Boag & D. Campbell (Toronto: Univ. of Toronto Press, 1973).
- Lorenz, Konrad. (1963) *On Aggression [Das sogenannte böse]*. London: Methuen, 1966, pp. 236-299.
- Wrangham, Richard and Dale Peterson, "Demonic Males: Apes and the Origins of Human Violence," *Washington Post* (1996) <http://www.washingtonpost.com/wp-srv/style/longterm/books/chap1/demonicmales.htm>
- Anne Harrington, "The Thing Known or the Knowing Eye? Conceiving Compassion between Science and Buddhism," *Visions of Compassion: Western Scientists and Tibetan Buddhists Examine Human Nature*. New York: Oxford University Press, 2001..
- Damasio, Antonio R. (1994) *Descartes' error: emotion, reason, and the human brain* (New York : G.P. Putnam), p. xi-xix, 52-79, 83-201.

Fourth Expedition:

Memory

April 15 through April 22

- Laura Otis, *Organic Memory: history and the body* (Nebraska UP, 1994), excerpts
- Ribot, Theodule (1986) *Diseases of memory: an essay in the positive psychology*, tr. William

Huntington Smith (New York, D. Appleton and company, 1893).

- Bergson, Henri (1896) *Matter and memory*, tr. Nancy Margaret Paul and W. Scott Palmer (New York : Zone Books, 1988), excerpts
- Breuer and Freud, "On the Mechanism of Hysterical Phenomena (Preliminary Communication)" [*SoH* 3-17]
- Barker, Pat (1991) *Regeneration* (London/New York: Viking Penguin).
- Atze, P. & Michael Lambek, eds. (1996). *Tense Past: Cultural Essays in Trauma and Memory* (New York: Routledge), p. 65-145 (articles by Ian Hacking, Allan Young, Ruth Leys).

- A.R. Luria, *The Mind of a Mnemonist* (New York: Basic Books, 1968)
- Milner B et al (1968) Further analysis of the hippocampal amnesic syndrome: 14 year follow up study of H.M. *Neuropsychol* 6: 215-234.
- Miller, George, "The Magical Number Seven, Plus or Minus Two: Some Limits on Our Capacity for Processing Information,". *Psychological Review*, 1956, vol. 63, pp. 81-97.
<http://www.well.com/user/smalin/miller.html>
- Herman, Judith Lewis (1992), *Trauma and recovery* (New York: Basic Books).
- Schacter, Daniel L (1996) *Searching for memory: the brain, the mind, and the past* (New York, NY : Basic Books), pp. 1-13, 72-133, 249-279.

April 29:
Breaking camp

History of Science 278

"Housekeeping"

This course is an experiment; A proactive and collaborative attitude towards the learning and teaching process will therefore be essential to its success. Each week, we will decide on our reading strategy, sometimes selecting only a subset of the readings out of the list, sometimes distributing the readings among ourselves, with an eye to asking individuals or small groups to report back. Substitutions and additions may also sometimes be made.

We will launch each week's discussion with some priming questions posted on the course website. These questions will be worked up by pairs of students, generally in consultation with me.

Master copies of all articles and book excerpts used in the course will be available in a marked file in the main office of the Department. They may be *briefly* removed so that you can make your own personal copies. Copies of all books we decide to read together in full will be put on reserve at Lamont. You can also purchase them, usually at a discount, on Amazon.com

No final research paper will be required for this seminar. A 5-6 page *analytic essay* that grapples critically with the interdisciplinary problem of the course will be assigned mid-term.

A 7-9 page *bibliographic essay* at the end of Reading Period will also be required. The idea of this essay will be to return to one of the four "expeditions" we took together, and go more deeply over that territory again, demonstrating in your written summation a solid mastery of the arguments of the readings and the issues raised by their apparent tensions and interrelations.